

Tagged scale inhibiting polymers, compositions comprising the same, and method for  
preventing or controlling scale formation

ABSTRACT

The invention relates to tagged scale-inhibiting polymers, to compositions comprising said polymers, and to a method for preventing or controlling scale formation in systems comprising said fluids. The tagging units are units deriving from a monomer having formula  $X_2C=CYY'$ , wherein X, which is identical or different, is a hydrogen atom, or a C<sub>1</sub>-C<sub>4</sub> alkyl group, Y is a hydrogen atom or a C<sub>1</sub>-C<sub>4</sub> alkyl group, Y' is a group having formula  $-L-Arom$ , wherein L is a covalent bound or a divalent organic linking group optionally comprising heteroatoms, and Arom is a group comprising at least two conjugated aromatic rings, preferably at least three, said rings comprising conjugated carbon atoms, and, linked to said carbon atoms, hydrogen atoms or substituants.